



Section A - Solicitation/Contract Form

CLAUSES INCORPORATED BY FULL TEXT

Ddl-A20 NOTICE TO CONTRACTORS

**NOTICE TO CONTRACTORS**

**THE PURPOSE OF THIS NOTICE IS TO BRING MATTERS TO YOUR ATTENTION WHICH CAN AFFECT PAYMENT OF YOUR INVOICES.**

**CCR ANNUAL RENEWAL**

You must ANNUALLY confirm your registration in the Central Contractor Registration (CCR) database or the Defense Finance and Accounting Service (DFAS) may not process your invoice. You may obtain more information on this annual renewal confirmation process by calling 1-888-227-2423 or via the internet at <http://www.ccr.gov/>

**EFTS**

Electronic Funds Transfer (EFT) payments are based on the EFT information contained in the CCR database. It is critical that you ensure that your EFT information in the CCR database remains current and correct.

**INVOICES**

Invoices must be prepared as prescribed by this contract/order or they may be rejected by the paying office. This contract/order incorporates one or more of the following clauses regarding preparation and submission of invoices:

- FAR 52.212-4
- FAR 52.213-2
- FAR 52.232-25

Please insure that invoices are prepared and submitted in accordance with these clauses and the following additional information:

**INVOICE PREPARATION – PLEASE ENSURE THAT YOUR INVOICE CLEARLY REFLECTS:**

- (1) INVOICE NUMBER,
- (2) DATE OF INVOICE,
- (3) COMPANY NAME AND REMIT TO ADDRESS (COMPANY NAME ON THE INVOICE MUST MATCH THE COMPANY NAME ON THE CONTRACT/ORDER),
- (4) CONTRACT/ORDER NUMBER, AND
- (5) INVOICE AMOUNT.

**INVOICE SUBMISSION** – If a “SUBMIT TO” address is designated in one of the clauses listed above, submit the original invoice to that address and submit one copy to the address shown below. If there is no address designated in any of the clauses listed above, submit the original of each invoice to the address shown below.

NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION  
VENDOR PAY (CODE XDM24I)  
17320 DAHLGREN ROAD  
DAHLGREN, VA 22448-5100

**REGISTER FOR INVOICE STATUS**

You can register at the following web site to monitor the status of your invoices. This is the vendor pay inquiry system-MOCAS user registration. <http://vendorpay.dfas.mil/newuser>

## Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1000	XPS-32 FFP Universal Matrix Switch System See Attachment J.1 for item specifications FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1101	XPS-CPU-S FFP XPS CPU Controller Card - Single Chassis See Attachment J.1 for item specifications FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1102	XPS-CPU-M FFP XPS CPU Controller Card - Multi-Chassis See Attachment J.1 for item specifications FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1201	XPS-CMS-A FFP XPS Channel Line Card / Connector Module Set - NTDS Type A See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1202	XPS-CMS-B FFP XPS Channel Line Card / Connector Module Set - NTDS Type B See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1203	XPS-CMS-D FFP XPS Channel Line Card / Connector Module Set - NTDS Type D See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1204	XPS-CMS-E FFP XPS Channel Line Card / Connector Module Set - NTDS Type E See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1205	XPS-CMS-F FFP XPS Channel Line Card / Connector Module Set - MIL-STD-1553B See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1206	XPS-CMS-OJ FFP XPS Channel Line Card / Connector Module Set - OJ451 Console See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1207	XPS-CMS-ORTS-12 FFP XPS Channel Line Card / Connector Module Set - ORTS (12 Pin) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1208	XPS-CMS-ORTS-32 FFP XPS Channel Line Card / Connector Module Set - ORTS (22 Pin) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1301	XPS-RPSU+5 FFP XPS Replacement Power Supply Card (+5V / 130W) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1302	XPS-RPSU-5 FFP XPS Replacement Power Supply Card (-5V / 40W) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1303	XPS-RPSU+12 FFP XPS Replacement Power Supply Card (+12V / 55W) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1304	XPS-RPSU-12 FFP XPS Replacement Power Supply Card (-12V / 80W) See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1305	XPS-BP-32 FFP XPS Replacement Backplane See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2000	MPS-32 FFP Multi Port Serial (MPS) Switch System See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2101	MPS-CPU-S FFP MPS CPU Controller Card - Single Chassis See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2102	MPS-CPU-M FFP MPS CPU Controller Card - Mult-Chassis See Attachment J.1 for item specifications	UNDEFINED	Each	_____	
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2201	MPS-CLC-E FFP MPS Replacement Channel Line Card - NTDS Type E See Attachment J.1 for item specifications	UNDEFINED	Each	_____	
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2202	MPS-PSU FFP MPS Replacement Power Supply Module See Attachment J.1 for item specifications	UNDEFINED	Each	_____	
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2203	MPS-BP-32 FFP MPS Replacement Backplane See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3001	FO-CABLE-4M FFP Fiber Optic Cables Single Mode - 4M See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3002	SCE FFP Serial Clock Expander (SCE) System See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3003	SCE-CPU FFP Serial Clock Expander (SCE) Controller Card See Attachment J.1 for item specifications	UNDEFINED	Each		
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3004	PCE FFP Parallel Clock Expander (PCE) System See Attachment J.1 for item specifications	UNDEFINED	Each	_____	
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3005	PCE-CPU FFP Parallel Clock Expander (PCE) Controller Card See Attachment J.1 for item specifications	UNDEFINED	Each	_____	
	FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3006	XFS-72 FFP XFS Universal Fiber Optic Switch See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3007	NTDS-E-ANALYZER1 FFP Protocol Analyzer System (PAS) - NTDS Type E See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3008	NN-CAB-19 FFP 19 inch Rack Cabinet See Attachment J.1 for item specifications  FOB: Destination	UNDEFINED	Each	_____	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
4000	Engineering Services FFP Engineering Services in accordance with Section C - Statement of Work As identified in an individual order statement of work	400,000	Each		\$400,000
	FOB: Destination				

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Ddl-B10 MINIMUM AND MAXIMUM QUANTITIES

As referred to in paragraph (b) of the "Indefinite Quantity" clause in Section I of this contract, the contract minimum quantity is a total of \$100,000 worth of orders; the maximum quantity is a total of \$9,971,000. The maximum quantity is not to be exceeded.

## Section C - Descriptions and Specifications

### STATEMENT OF WORK

#### C.1 Background

This contract provides for X-COM switching, multiplexing, and conversion systems, associated subassemblies, and related engineering services as identified in Section B – Schedule of Supplies/Services. The contractor shall deliver the items in Section B when orders identifying the specific item(s) are placed under this Indefinite Delivery/Indefinite Quantity (ID/IQ) contract. All orders under this contract shall be firm fixed price.

#### C.2 Hardware

##### C.2.1 Delivery

Delivery of all hardware items identified in Section B shall be accomplished within 180 days of date of order.

##### C.2.2 Inspection/Acceptance

Documentation accompanying each delivery (including the DD Form 250) shall include the model number and associated serial number of each item delivered. The inspection process shall include the verification of this information on each delivery. The acceptance process may include the item being connected up, energized, and placed in operation. Inspection/acceptance shall be accomplished within 30 days from date of delivery.

##### C.2.3 Warranty

The contractor shall provide a one (1) year mail back/carry-in warranty for all hardware items delivered under this contract. The warranty period shall commence on the date of Government acceptance (i.e., Government execution of the contractor provided DD Form 250) and continue in effect for a period of one (1) year thereafter. During the warranty period the contractor shall provide all necessary parts, labor, etc. required to return the malfunctioning item(s) to operational status at no additional cost to the Government. The warranty does not cover damage or defect caused by misuse, improper application, wrong or inadequate electrical current or connection, negligence, inappropriate on-site operating conditions, tampering, alterations, repair by unauthorized personnel, and Acts of God. Repair or replacement of a defective product or part thereof does not extend the original warranty period. The contractor shall repair/replace malfunctioning items within 90 days from the time of receipt from the Government. The contractor is responsible for the cost of returning repaired items to the Government.

#### C.3 Engineering Services

Engineering support may include minor modifications to listed equipment to make it more useful for the Government, such as different cable connectors. Engineering services may also provide upgrades to the contractor's equipment, especially when these actions have warranty implications, are beyond Government personnel capabilities, and/or include parts that are only available from the original vendor. Examples of these actions include installation and testing of higher-wattage power supplies, or updating/improving proprietary code in embedded firmware. Engineering support may also provide maintenance of items that are out of warranty. Engineering services hours may also be used for investigating potential Government-requested enhancements to contract hardware, such as modifying data exchange formats for expanded use, adding remote control capability, etc.

During the period of performance the contractor may be asked to quote on specific statements of work provided by the Government. Delivery requirements will vary depending on the services required. The contractor quotes shall provide detailed labor and other direct costs breakdowns. The quotes shall be used to negotiate fixed price orders for the deliverables identified in the statement of work.

Section D - Packaging and Marking

CLAUSES INCORPORATED BY FULL TEXT

Ddl-D10 PREPARATION FOR SHIPMENT (COMMERCIALY PACKAGED ITEMS)

Preservation, packaging, packing, and marking shall be in accordance with ASTM Designation D 3951-95 "Standard Practice for Commercial Packaging." The following additional markings apply:

[ To be completed in individual orders under the contract ]

Ddl-D13 NOTIFICATION OF SHIPMENT

When shipment is made, the contractor shall notify the contract TPOC designated in Section G prior to arrival of the shipment at NSWCCD. Notification shall include the following items:

- (a) Contract , order, and item number,
- (b) Date of item departure,
- (c) Quantity shipped,
- (d) Name of carrier,
- (e) Method of shipping,
- (f) Bill of lading number.

HQ D-1-0001 DATA PACKAGING LANGUAGE

All unclassified data shall be prepared for shipment in accordance with best commercial practice.

Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M dated January 1995.

## Section E - Inspection and Acceptance

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
All	Destination	Government	Destination	Government

## CLAUSES INCORPORATED BY REFERENCE

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-4	Inspection Of Services--Fixed Price	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2003

## INSPECTION / ACCEPTANCE

Inspection/acceptance shall be accomplished within 30 days from date of delivery.

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
1xxx – 3xxx	180 dys. ADC		See Individual Orders FOB: Destination	
4000	As specified in Individual Order		See Individual Order FOB: Destination	

## CLAUSES INCORPORATED BY REFERENCE

52.242-15	Stop-Work Order	AUG 1989
52.242-17	Government Delay Of Work	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

## CLAUSES INCORPORATED BY FULL TEXT

## Ddl-F20 RECEIVING HOURS OF OPERATION

All deliveries to the Receiving Officer, Dahlgren Division, Naval Surface Warfare Center, Dahlgren, VA shall be made Monday through Friday from 7:00 a.m. to 2:30 p.m., local time. Deliveries will not be accepted after 2:30 p.m. No deliveries will be made on government holidays.

## Ddl-F40 CONTRACTOR NOTICE REGARDING LATE DELIVERY

In the event the contractor anticipates or encounters difficulty in complying with the contract delivery schedule or date, he/she shall immediately notify, in writing, the Contracting Officer and the cognizant Contract Administration Services Office, if assigned. The notice shall give the pertinent details; however such notice shall not be construed as a waiver by the Government of any contract delivery schedule, or of any rights or remedies provided by law or under this contract.

## PLACE OF DELIVERY: DESTINATION

Individual orders under this contract will designate the delivery location(s). Deliveries will typically be made to the following locations, but other locations maybe designated in an order.

Receiving Officer  
Naval Surface Warfare Center Dahlgren Division  
17320 Dahlgren Road  
Dahlgren, Virginia 22448-5100

Receiving Officer  
Aegis Training & Readiness Center  
5395 First Street, Bldg. 1520  
Dahlgren, VA 22448-5200

Receiving Officer  
Surface Combat Systems Center  
Building F-19  
Wallops Island, VA 23337-5000

## Section G - Contract Administration Data

## CLAUSES INCORPORATED BY FULL TEXT

**\*Ddl-G10 GOVERNMENT CONTRACT ADMINISTRATION POINTS-OF-CONTACT AND RESPONSIBILITIES****Procuring Contracting Officer (PCO):**

(a) Name: [ \* ]  
Address: Code [ \* ]  
Dahlgren Division  
Naval Surface Warfare Center  
17320 Dahlgren Road  
Dahlgren, Virginia 22448-5100  
Phone: (540) 653- [ \* ]; FAX: (540) 653- [ \* ]  
E-mail: [ \* ]

(b) PCO responsibilities are outlined in FAR 1.602-2. The PCO is the only person authorized to approve changes in any of the requirements of this contract or orders issued thereunder and, notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the PCO's. The contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer or is pursuant to specific authority otherwise included as part of this contract. In the event the contractor effects any change at the direction of any person other than the PCO, the change will be considered to be unauthorized.

**Contract Specialist:**

(a) Name: [ \* ]  
Address: Code [ \* ]  
Dahlgren Division  
Naval Surface Warfare Center  
17320 Dahlgren Road  
Dahlgren, Virginia 22448-5100  
Phone: (540) 653- [ \* ]; FAX: (540) 653- [ \* ]  
E-mail: [ \* ]

(b) The Contract Specialist is the representative of the Contracting Officer for all contractual matters.

**Administrative Contracting Officer (ACO)**

(a) Name: [ \* ]  
Address: [ \* ]  
Phone: [ \* ]

(b) The Administrative Contracting Officer (ACO) of the cognizant Defense Contract Management Agency (DCMA) is designated as the authorized representative of the Contracting Officer for purposes of administering this contract in accordance with FAR 42.3. However, in view of the technical nature of the supplies and services to be furnished, technical cognizance is retained by the Naval Surface Warfare Center, Dahlgren Division.

**Technical Point of Contact (TPOC)**

(a) Name: [ \* ]  
 Address: Code [ \* ]  
 Dahlgren Division  
 Naval Surface Warfare Center  
 17320 Dahlgren Road  
 Dahlgren, Virginia 22448-5100  
 Phone: [ \* ]; FAX: [ \* ]  
 E-mail: [ \* ]

(b) The TPOC is the PCO's representative for technical matters when a COR is not appointed. The TPOC is responsible for technical issues of contract administration, such as providing all items of Government Furnished Information (GFI), Government Furnished Material (GFM) and Government Furnished Equipment (GFE) as/if specified in the contract as well as the inspection and acceptance of all contract deliverables. The TPOC is not a contracting officer and does not have the authority to direct the accomplishment of effort which is beyond the scope of the contract or to otherwise change any contract requirements.

**Paying Office**

(a) Name: [ \* ]  
 Address: [ \* ]  
 Phone: [ \* ]

(b) The Paying Office makes all payments under the contract.

(c) *(DFAS Charleston only)* For the status of invoices and for payments of all types of commercial orders, contact DFAS Charleston Operation, Customer Service, Charleston, S.C. on (800) 755-3642 or (843) 746-6211. The office is open from 8:00 AM to 4:00 PM local time.

[ \* ] -- to be completed at contract award

**\*Ddl-G20 ORDERING (INDEFINITE DELIVERY TYPE CONTRACTS)**

(a) Ordering: All NSWCDD Warranted Contracting Officers are authorized ordering officers. Supplies or services to be furnished under this contract shall be furnished at such times as ordered by the issuance of Orders on DD Form 1155 by the Contracting Officer. All orders are subject to the terms and conditions of this contract. This contract shall control in the event of conflict with any order.

(b) Ordering Procedures:

(1) Orders issued shall include, but not be limited to the following information (when applicable):

- (i) Date of order.
- (ii) Contract and order number.
- (iii) Appropriation and accounting data.
- (iv) Description of the services to be performed.
- (v) Description of end item(s) to be delivered.
- (vi) The individual responsible for inspection/acceptance.
- (vii) Period of performance/delivery date.
- (viii) The firm-fixed price for the order.

(ix) List of additional Government furnished equipment, material, and information.

(2) Oral orders may be placed only in emergency circumstances. Information described above shall be furnished to the contractor at the time of placing an oral order and shall be confirmed by issuance of a written Order on DD Form 1155 within two working days.

(c) Modifications of Orders: Orders may be modified only by the Contracting Officer and may be modified orally by the Contracting Officer in emergency circumstances. Oral modifications shall be confirmed by issuance of a written modification within two working days from the time of the oral communication modifying the order.

(d) Unilateral Orders. Delivery Orders under this contract will ordinarily be issued after both parties agree on all terms. If the parties fail to agree, the Contracting Officer may require the contractor to perform and any disagreement shall be deemed a dispute within the meaning of the "Disputes" clause.

#### \*Ddl-G22 TASK/DELIVERY ORDER PROPOSAL REQUIREMENTS

(a) For order requiring Engineering Services (CLIN 4000), the Contracting Officer will issue written requests for proposals that include a Statement of Work with deliverable requirements. The contractor shall submit proposals within five (5) working days after receipt of the request.

(b) Proposals shall contain, as a minimum, the following information. This requirement applies equally to the level of detail required from the prime contractor and, if applicable, each proposed subcontractor. Additional information, unique to the order will be specified in the request. This may include a requirement for a brief statement of technical approach and schedule.

(1) Proposed direct labor to include contractor labor category, proposed direct hours, proposed hourly rate, and extended direct labor dollars for each individual.

(2) Other direct costs – a description and associated dollars for each ODC item shall be provided. In addition, provide the rationale for the amount proposed.

(3) Travel – identify the point of origin and destination, length of trip (including transit time), number of travelers, and number of trips. Costs shall be broken down into transportation, per diem, rental car, personal mileage, etc., with a total provided for each trip.

(4) Indirects – Provide rates and associated dollars for each proposed indirect pool (i.e, fringe, overhead, G&A, material handling, etc.,)

(c) The contractor shall deliver to the Government all order proposals via electronic (Internet) transmission to the maximum extent practicable. Although not bearing original signatures, the Government will consider all such deliveries to carry the same force and effect as if submitted in hard copy and bearing original signatures of the contractor.

(d) The contractor shall provide a copy of each order's proposal directly to the Government Technical Point of Contact / Contracting Officer's Representative at the same time the proposal is submitted to the Contracting Officer.

## Section H - Special Contract Requirements

### CLAUSES INCORPORATED BY FULL TEXT

#### Ddl-H10 EMPLOYMENT OF US GOVERNMENT PERSONNEL RESTRICTED

In performing this contract, the Contractor shall not use as a consultant or employ (on either a full or part time basis) any active duty U.S. Government personnel (civilian or military) without the prior written approval of the Contracting Officer. Such approval may be given only in circumstances where it is clear that no laws and no DoD or U.S. Government instructions, regulations, or policies might possibly be contravened and no appearance of a conflict of interest will result.

#### Ddl-H32 CONTRACTOR'S RESPONSIBILITY FOR LOSS OR DAMAGE

The contractor assumes full responsibility for and shall indemnify the Government for any and all loss or damage of whatsoever kind and nature to any and all Government property, including equipment, supplies, accessories, or parts furnished, while in his custody and care for storage, repairs, or services to be performed under the terms of this contract, resulting in whole or in part from the negligent acts or omissions of the contractor, any subcontractor, or any employee, agent, or representative of the contractor or subcontractor.

#### Ddl-H45 ENGINEERING CHANGES

(a) After contract award, the Government may solicit, and the Contractor is encouraged to propose independently, engineering changes to the equipment, software specifications, or other requirements of this contract. These changes may be proposed to save money, to improve performance, to incorporate new technology, to save energy, or to satisfy increased data processing requirements. If the proposed changes are acceptable to both parties, the Contractor shall submit a priced change proposal to the Government for evaluation. Those proposed engineering changes that are acceptable to the Government will be processed as modifications to the contract.

(b) This ENGINEERING CHANGES clause applies only to those proposed changes identified by the Contractor, as a proposal submitted pursuant to the provisions of this clause. As a minimum, the following information shall be submitted by the Contractor with each proposal:

(1) A description of the difference between the existing contract requirement and the proposed change, and the comparative advantages and disadvantages of each;

(2) Itemized requirements of the contract which must be changed if the proposal is adopted, and the proposed revision to the contract for each such change;

(3) An estimate of the changes in performance and cost, if any, that will result from adoption of the proposal;

(4) An evaluation of the effects the proposed change would have on collateral costs to the Government, such as Government-furnished property costs, costs of related items, and costs of maintenance and operation; and

(5) A statement of the time by which the change order adopting the proposal must be issued so as to obtain the maximum benefits of the change(s) during the remainder of this contract. Also, any effect on the contract completion time or delivery schedule shall be identified.

(c) Engineering change proposals submitted to the Contracting Officer shall be processed expeditiously. The Government shall not be liable for proposal preparation costs or any delay in acting upon any proposal submitted pursuant to this clause. The Contractor has the right to withdraw, in whole or in part, any engineering change proposal not accepted by the Government within the period specified in the engineering change proposal. The decision of the Contracting Officer as to the acceptance of any such proposal under this contract shall be final.

(d) The Contracting Officer may accept any engineering change proposal submitted pursuant to this clause by giving the Contractor written notice thereof. This written notice may be given by issuance of a modification to this contract. Unless and until a modification is executed to incorporate an engineering change proposal under this contract, the Contractor shall remain obligated to perform in accordance with the terms of the existing contract.

(e) If an engineering change proposal submitted pursuant to this clause is accepted and applied to this contract, an equitable adjustment in the contract price and in any other affected provisions of this contract shall be made in accordance with this clause and other applicable clauses of this contract. When the cost of performance of this contract is increased or decreased as a result of the change, the equitable adjustment increasing or decreasing the contract price shall be in accordance with the "CHANGES" clause rather than under this clause, but the resulting contract modification shall state that it is made pursuant to this clause.

(f) The Contractor is requested to identify specifically any information contained in the engineering change proposal which the Contractor considers confidential and/or proprietary and which the Contractor prefers not be disclosed to the public. The identification of information as confidential and/or proprietary is for informational purposes only and shall not be binding on the Government to prevent disclosure of such information. Offerors are advised that such information may be subject to release upon request pursuant to the Freedom of Information Act (5 U.S.C. 552)

**\*SEA 5252.245-9108 GOVERNMENT-FURNISHED PROPERTY (PERFORMANCE) (SEP 1990)**

The Government will provide only that property set forth below, notwithstanding any term or condition of this contract to the contrary.

Item No.	Description	P/N or P/A	S/N	Unit	Quantity	Cost
1	Sabtech Navigator	030126-01	282	EA	1	\$3,995.00
2	Sabtech Eagle	NT2632FS-NCS	A124	EA	1	\$3,995.00
3	BNC Cable 10 inches	NA	NA	EA	2	NSP
4	60 Pin Ribbon Cable	NA	NA	EA	2	NSP
5	<b>60 Pin to 85 Pin Adapter</b>	NA	NA	EA	1	\$100.00
6	Data Processing Set: AN/UYK-44	60921070631	AA1433	EA	1	\$118,182.00
7	Recorder/Reproducer M/N 45-1021D	Minor 140558	M255	EA	1	\$20,100.00
8	Cable, Type G/H	NA	NA	PR	2	\$4,000.00
9	Cable, Type F	NA	NA	PR	2	\$4,000.00
10	Cable, Type D	NA	NA	PR	2	\$3,200.00
					<b>Total</b>	<b>\$157,572.00</b>

Ddl-H50 NOTICE OF INCORPORATION OF SECTION K

Section K of the solicitation (Representation, Certifications and Other Statements of Offerors) will not be distributed with the contract; however, it is incorporated in and forms a part of the resultant contract as though furnished in full text therewith.

\*Ddl SECURITY CLEARANCE

The security classification of this contract is specified in the Contract Security Classification Specification, DD Form 254, attached hereto.

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	JUL 2004
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2003
52.204-2	Security Requirements	AUG 1996
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JAN 2005
52.211-5	Material Requirements	AUG 2000
52.211-15	Defense Priority And Allocation Requirements	SEP 1990
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Cost or Pricing Data	OCT 1997
52.215-12	Subcontractor Cost or Pricing Data	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.215-14 Alt I	Integrity of Unit Prices (Oct 1997) - Alternate I	OCT 1997
52.215-15	Pension Adjustments and Asset Reversions	OCT 2004
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 1997
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions	OCT 1997
52.215-19	Notification of Ownership Changes	OCT 1997
52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
52.215-21 Alt II	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications (Oct 1997) - Alternate II	OCT 1997
52.215-21 Alt III	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications (Oct 1997) - Alternate III	OCT 1997
52.219-8	Utilization of Small Business Concerns	MAY 2004
52.219-9	Small Business Subcontracting Plan	JAN 2002
52.219-16	Liquidated Damages-Subcontracting Plan	JAN 1999
52.222-19	Child Labor -- Cooperation with Authorities and Remedies	JUN 2004
52.222-20	Walsh-Healey Public Contracts Act	DEC 1996
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001

52.222-39	Notification of Employee Rights Concerning Payment of Union Dues or Fees	DEC 2004
52.223-6	Drug-Free Workplace	MAY 2001
52.225-13	Restrictions on Certain Foreign Purchases	MAR 2005
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-11	Extras	APR 1984
52.232-17	Interest	JUN 1996
52.232-23	Assignment Of Claims	JAN 1986
52.232-25	Prompt Payment	OCT 2003
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1	Disputes	JUL 2002
52.233-3	Protest After Award	AUG 1996
52.233-4	Applicable Law for Breach of Contract Claim	OCT 2004
52.239-1	Privacy or Security Safeguards	AUG 1996
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items	DEC 2004
52.245-2	Government Property (Fixed Price Contracts)	MAY 2004
52.246-23	Limitation Of Liability	FEB 1997
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	MAY 2004
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2004
252.203-7002	Display Of DOD Hotline Poster	DEC 1991
252.204-7000	Disclosure Of Information	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004 Alt A	Central Contractor Registration (52.204-7) Alternate A	NOV 2003
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.215-7000	Pricing Adjustments	DEC 1991
252.215-7002	Cost Estimating System Requirements	OCT 1998
252.217-7026	Identification of Sources of Supply	NOV 1995
252.219-7003	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DOD Contracts)	APR 1996
252.223-7004	Drug Free Work Force	SEP 1988
252.225-7001	Buy American Act And Balance Of Payments Program	APR 2003
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7012	Preference For Certain Domestic Commodities	JUN 2004
252.225-7031	Secondary Arab Boycott Of Israel	APR 2003
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-7013	Rights in Technical Data--Noncommercial Items	NOV 1995

252.227-7015	Technical Data--Commercial Items	NOV 1995
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 1999
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7003	Electronic Submission of Payment Requests	JAN 2004
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	MAR 2000
252.245-7001	Reports Of Government Property	MAY 1994
252.247-7023	Transportation of Supplies by Sea	MAY 2002
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000

#### CLAUSES INCORPORATED BY FULL TEXT

##### 52.216-18 ORDERING. (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from time of award through the period ending 5 years after date of award.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(End of clause)

##### 52.216-22 INDEFINITE QUANTITY. (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum". The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum".

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 6 months after the contract effective period ends.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>

<http://www.acq.osd.mil/dpap/dars/dfars/pdf/>

<http://farsite.hill.af.mil/>

(End of clause)

\*52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

CLAUSES INCORPORATED BY FULL TEXT

Ddl-J10 LIST OF ATTACHMENTS

Attachment J.1 – CLIN Definition List

Attachment J.2 – Contract Security Classification Specification, DD254

## Section K - Representations, Certifications and Other Statements of Offerors

## CLAUSES INCORPORATED BY REFERENCE

52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.222-38	Compliance With Veterans' Employment Reporting Requirements	DEC 2001
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	SEP 2004
252.225-7031	Secondary Arab Boycott Of Israel	APR 2003

## CLAUSES INCORPORATED BY FULL TEXT

## 52.204-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representations, of this solicitation.] The offeror represents that it ( ) is a women-owned business concern.

(End of provision)

## 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2005)

(a)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (b) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (b) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

Paragraph (b) applies.

Paragraph (b) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(b) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number,

title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change
-----	-----	-----	-----
-----	-----	-----	-----

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

52.207-4 ECONOMIC PURCHASE QUANTITY--SUPPLIES (AUG 1987)

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

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Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS  
PRICE  
ITEM QUANTITY QUOTATION TOTAL

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(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

(End of provision)

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that-

(i) The Offeror and/or any of its Principals-

(A) Are ( ) are not ( ) presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have ( ) have not ( ), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are ( ) are not ( ) presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The Offeror has ( ) has not ( ), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

52.215-6 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, ( ) intends, ( ) does not intend (check applicable block) to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of Performance(Street Address, City, State,	Name and Address of Owner and Operator of the
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County, Zip Code)	Plant or Facility if Other Than Offeror or Respondent

(End of provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004) - ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 334419 .

(2) The small business size standard is 500 employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ( ) is, ( ) is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ( ) is, ( ) is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a service-disabled veteran-owned small business concern.

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It ( ) is, ( ) is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ( ) is, ( ) is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

\_\_\_ Black American.

\_\_\_ Hispanic American.

\_\_\_\_ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

\_\_\_\_ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

\_\_\_\_ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

\_\_\_\_ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--  
Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; or

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

- (i) Be punished by imposition of fine, imprisonment, or both;
  - (ii) Be subject to administrative remedies, including suspension and debarment; and
  - (iii) Be ineligible for participation in programs conducted under the authority of the Act.
- (End of provision)

#### 52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

- (a)  It has,  has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;
  - (b)  It has,  has not, filed all required compliance reports; and
  - (c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.
- (End of provision)

#### 52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

- (a)  it has developed and has on file,  has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or
  - (b)  has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.
- (End of provision)

#### 252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

\_\_\_\_ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

\_\_\_\_ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)

Ddl-K20 AUTHORIZED NEGOTIATORS

The offeror shall provide the name and telephone number of personnel authorized to negotiate on behalf of the offeror:

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In addition, the offeror shall provide a facsimile number and an email address to which correspondence and documents may be forwarded to the offeror, both prior to contract award and following contract award:

Facsimile: \_\_\_\_\_

Email: \_\_\_\_\_

## Section L - Instructions, Conditions and Notices to Bidders

## CLAUSES INCORPORATED BY FULL TEXT

## 52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of an Indefinite Delivery/Indefinite Quantity contract with fixed price pricing arrangements resulting from this solicitation.

(End of clause)

## 52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from

Contracting Officer  
Naval Surface Warfare Center Dahlgren Division  
Attn: XDS12  
17320 Dahlgren Road  
Dahlgren, VA 22448-5100

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

## 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>  
<http://www.acq.osd.mil/dpap/dars/dfars/pdf/>  
<http://farsite.hill.af.mil/>

(End of provision)

Dd1-L34 COST PROPOSAL - SPECIFIC REQUIREMENTS - CERTIFIED COST OR PRICING DATA

(a) The offeror must submit cost or pricing data, as defined in FAR 15.401, in the format prescribed in FAR Table 15-2, as part of the cost proposal. Prior to award, the accuracy, currency and completeness of such data shall be certified by the offeror using the form set out in FAR 15.406-2.

(b) If the offeror claims an exemption from cost or pricing data requirements, the basis for the exemption as set forth in FAR 15.403-1(b) and (c), must be provided.

(c) Any contractor required to submit and certify cost or pricing data in accordance with (a) above shall also be required to obtain cost or pricing data from his subcontractors under the circumstances set forth in FAR 15.403-4.

(d) Cost or pricing data furnished by a subcontractor or a prospective subcontractor pursuant to FAR 15.403-4 must be submitted to the prime contractor or higher-tier-subcontractor. It is the responsibility of the prime contractor and higher-tier-subcontractor to review and evaluate the subcontract proposal and accompanying cost or pricing data and furnish the results of such review and evaluation to the Government as part of their cost or pricing data submission.

(e) If the offeror proposes facilities capital cost of money as part of his proposed costs, he shall submit a completed DD Form 1861 entitled "Contract Facilities Capital Cost of Money" and Form CASD-CMF "Facilities Capital, Cost of Money Factors Computation." Accompanying the Forms shall be documentation in support of the computations.

(f) In addition to submission of the cost proposal to the PCO, Offerors shall submit copies of their complete cost proposal as follows:

One (1) copy - Cognizant DCMA  
 One (1) copy - Cognizant DCAA

\* PROPOSAL PREPARATION REQUIREMENTS

In order to maximize the efficiency and minimize the time for proposal evaluation, it is required that all offerors submit their proposals in accordance with the format and content specified. Proposals shall be submitted as three separate volumes, as follows:

		Original	Copies
Volume I	Solicitation, Offer and Award (SF33)	1	1
Volume II	Technical Proposal	1	1
Volume III	Cost Proposal	1	1

The original shall be clearly identified as the "ORIGINAL" and bear original signatures. The copies shall be complete and clearly identified as "COPY".

VOLUME I SOLICITATION, OFFER AND AWARD (SF33)

(a) This document, which may be used as part of the contract award document, shall be fully executed and returned as a separate document from the technical and cost proposals. Special attention should be taken to accurately complete all

Representation and Certification in Section K and ensure that an authorized person signs the offer in Block 17 of Page 1. This document shall not be embellished with any covers or binding.

(b) Offerors are not encouraged to take exceptions to this solicitation; however, any exceptions taken to the specification or terms and conditions of this solicitation shall be identified in a cover letter and explained in detail in the appropriate section of the technical or cost proposals.

## VOLUME II TECHNICAL PROPOSAL

(a) Review the CLINs listed in Section B, the detailed CLIN information in Attachment J.1, and the Statement of Work in Section C. Provide a statement confirming the part numbers listed to be current and interchangeable with existing system components delivered under contract N00178-01-D-2013.

(b) Explain your understanding of how the ordering process for Engineering Services will operate under the resultant contract.

## VOLUME III COST PROPOSAL

(a) The cost proposal shall include the name, address, Point of Contact, and telephone number of the cognizant DCAA office and DCMC office. Copies of your proposal should be forwarded to the cognizant DCAA office and cognizant DCMC office concurrent with submission to this office.

(b) The cost proposal shall be based on a contract start date of 1 January 2006. This date is only an estimate of the anticipated contract start date. A definitive contract start date will be incorporated into the contract award document.

(c) The Government estimates that a total contract ceiling of \$9,971,000 will be sufficient to cover orders over the five year contract period. Section B lists the items that may be purchased under the contract. Pricing is requested based on a quantity of 1 of each. If there are minimum quantities greater than 1 for any item, please indicate the minimum quantity buy and provide rationale for the minimum buy amount. The contractor shall also identify quantity discounts available for any of the items, by identifying the quantity increment(s) and associated price(s) as discussed in FAR 52.207-4 Economic Purchase Quantity – Supplies.

(d) As detailed in the Cost Proposal-Specific Requirements-Certified Cost or Pricing Data provision, full cost and pricing data is required to support your proposed costs. This data shall be structured so that each material item is broken down to disclose the detailed type of costs required to produce the item. It is anticipated that each item may include, but not be limited to the following categories of cost:

(1) Material Cost - bill of materials, vendor data, subcontractors, recent invoices

(2) Direct Labor Costs - labor hours, labor rates

(3) Indirect Costs - Provide a summary definition of each indirect pool, the composition of the pool, and the rates proposed. Indicate how you have computed and applied your indirect costs. Show trends and budgetary data to provide a basis for evaluating the reasonableness of proposed rates. Include historically estimated and actual (audited and unaudited) indirect rates experienced by the contractor within the past three years and the basis for any changes to these rates.

(4) Other Direct Costs - Identify and define each item of expense and provide a breakdown of dollars proposed and the basis for the amount.

(5) Facilities Capital Cost of Money - If proposed, complete a DD Form 1861

(6) Profit

(e) If escalation is proposed (Contract Line Item prices change during the period of the contract), the proposal shall contain detailed pricing tables (summary cost breakdown) indicating cost elements and subtotals for each contract year. If escalation is proposed for material and/or direct labor, identify the escalation rate per year and the historical actual for the escalation rate over the past two years. Indicate by example and narrative how the escalation is applied.

Ddl-L31 COST PROPOSAL - SPECIFIC REQUIREMENTS - COMPLEX SUPPLIES

The cost proposal must provide breakdowns for the following basic cost elements, as applicable:

(a) Purchased/Subcontracted Materials and Services. Provide a consolidated priced summary of individual material quantities included in the various tasks, orders, or contract line items being proposed and the basis for pricing (vendor quotes, invoice prices, etc.). Include raw materials, parts, components, assemblies, and services to be produced or performed by others. For all items proposed, identify the item and show the source, quantity, and price. Conduct price analyses of all subcontractor proposals. Conduct cost analyses for all subcontracts when cost or pricing data are submitted by the subcontractor. Include these analyses as part of your own cost proposal submissions. Submit the subcontractor cost or pricing data as part of your own cost or pricing data. These requirements also apply to all subcontractors if required to submit cost or pricing data.

(1) Adequate Price Competition. Provide data showing the degree of competition and the basis for establishing the source and reasonableness of price for those acquisitions (such as subcontracts, purchase orders, material order, etc.) priced on the basis of adequate price competition. For interorganizational transfers priced at other than the cost of comparable competitive commercial work of the division, subsidiary, or affiliate of the contractor, explain the pricing method (see FAR 31.205-26(e)).

(2) All Other. Provide data showing the basis for establishing source and reasonableness of price. In addition, provide a summary of your cost analysis and a copy of cost or pricing data submitted by the prospective source in support of each subcontract, or purchase order. For standard commercial items fabricated by the offeror that are generally stocked in inventory, provide a separate cost breakdown, if priced based on cost. For interorganizational transfers priced at cost, provide a separate breakdown of cost elements. Analyze the cost or pricing data and submit the results of your analysis of the prospective source's proposal. When submission of a prospective source's cost or pricing data is required as described in this paragraph, it must be included along with your own cost or pricing data submission, as part of your own cost or pricing data. You must also submit any other cost or pricing data obtained from a subcontractor, either actually or by specific identification, along with the results of any analysis performed on that data.

(b) Direct Labor. Provide both a per unit/per CLIN breakdown and a time-phased (e.g., monthly, quarterly, etc.) breakdown of labor hours, rates, and cost by appropriate category, and furnish bases for estimates.

(c) Indirect Costs. Indicate how you have computed and applied your indirect costs, including cost breakdowns. Show trends and budgetary data to

provide a basis for evaluating the reasonableness of proposed rates. Indicate the rates used and provide an appropriate explanation. Offerors shall list proposed indirect rates, DCAA recommended rates and actual rates (audited and unaudited). If rates are negotiated forward pricing rates, a copy of the current forward pricing rate agreement shall be provided. If the rates are not negotiated forward pricing rates, then the basis for the proposed rates shall be explained. This section shall also include historically proposed, DCAA recommended and actual (audited and unaudited) indirect rates experienced by the contractor within the past three years and the basis for any changes to these rates.

(d) Other Costs. List all other costs not otherwise included in the categories described above (e.g., special tooling, travel, computer and consultant services, preservation, packaging and packing, spoilage and rework, and Federal excise tax on finished articles) and provide bases for pricing.

(e) Royalties. If royalties exceed \$1,500, you must provide the following information on a separate page for each separate royalty or license fee:

- (1) Name and address of licensor.
- (2) Date of license agreement.
- (3) Patent numbers.
- (4) Patent application serial numbers, or other basis on which the royalty is payable.
- (5) Brief description (including any part or model numbers of each contract item or component on which the royalty is payable)
- (6) Percentage or dollar rate of royalty per unit.
- (7) Unit price of contract item.
- (8) Number of units.
- (9) Total dollar amount of royalties.
- (10) If specifically requested by the Contracting Officer, a copy of the current license agreement and identification of applicable claims of specific patents (see FAR 27.204 and 31.205-37).

(f) Facilities Capital Cost of Money. When you elect to claim facilities capital cost of money as an allowable cost, you must submit DD Form 1861 and Form CASB-CMF and show the calculation of the proposed amount (see FAR 31.205-10).

#### Dd1-L40 SUBMISSION OF QUESTIONS BY POTENTIAL OFFERORS

It is the offeror's responsibility to bring to the attention of the Contracting Officer at the earliest possible time, but prior to the closing date, any ambiguities, discrepancies, inconsistencies, or conflicts between the Statement of Work (SOW) and other solicitation documents attached hereto

or incorporated by reference. All questions are requested in writing at least 2 weeks before the solicitation closing date.

Section M - Evaluation Factors for Award

CLAUSES INCORPORATED BY FULL TEXT

HQ M-2-0001 BASIS OF AWARD (NAVSEA) (SEP 1990)

ALL UNITS OF ALL ITEMS WILL BE AWARDED TO ONE OFFEROR. OFFERS, THEREFORE, MUST BE ON THE BASIS OF FURNISHING ALL UNITS OF ALL ITEMS.

## CLIN Definition List

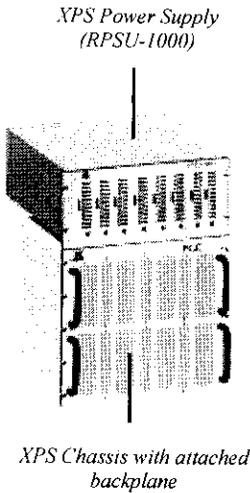
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## NTDS Switching Products

### XPS Switching Systems

P/N: XPS-32



#### Universal Matrix Switch System

The Universal Matrix Switch System contains a system enclosure, backplane, and power supplies. The NTDS system is a non-blocking 32-port switch capable of connecting like interfaces of NTDS A, B, C, D, E, H, MIL-STD-1553B, OJ-451 (Hughes Console), and ORTS signals. Each system enclosure accommodates 1 CPU Controller Card, 8 line cards, 8 connector modules (all sold separately), and includes one RPSU-1000 power supply enclosure.

The parts breakdown includes:

- 1 XPS Chassis
- 1 Installed XPS-32 backplane
- 1 Installed RPSU-1000 power supply enclosure including the following power supply components:
  - (2) XPS-RPSU+5
  - (2) XPS-RPSU-5
  - (2) XPS-RPSU-+12
  - (2) XPS-RPSU-12

#### Note:

XPS-32 is not a complete switch system, but instead, includes one enclosure, one backplane, and one power supply unit as described above. The system is completed by purchasing the following:

#### 32- Port Functionality

- 1 XPS CPU Controller Card
- 8 Channel Line Card / Connector Module Sets

#### Minimum Functionality

- 1 XPS CPU Controller Card
- 1 Channel Line Card / Connector Module Set

#### Specifications:

##### Interfaces:

- MIL-STD-1397C Type A, B, C, D, E, H
- MIL-STD-1553B
- OJ-451 (Hughes Console)
- ORTS

##### Control:

PC or Master Switch Controller via RS-232

##### Maintainability:

MTTR < 15 min. for printed circuit boards and power supplies; < 30 min. for other parts

##### Power:

Standard IEC 115 VAC  
60 Hz single-phase

##### Size:

XPS-32 Chassis:  
17½" (10U) H x 14 ½" D x 19" W  
(19" rack mount)

##### Power Supply:

7" H x 15 ¼" D x 19" W  
(19" rack mount)

##### Weight:

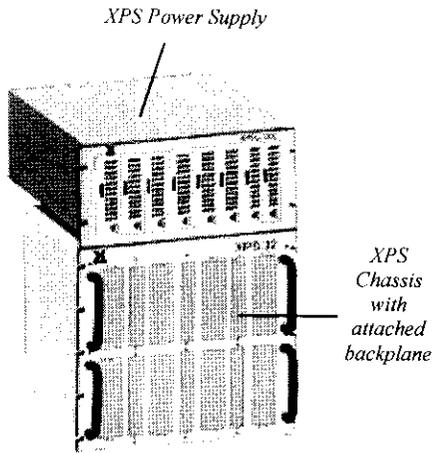
Switch Chassis:  
Approximately 50 lbs.

##### Power Supply:

Approximately 35 lbs

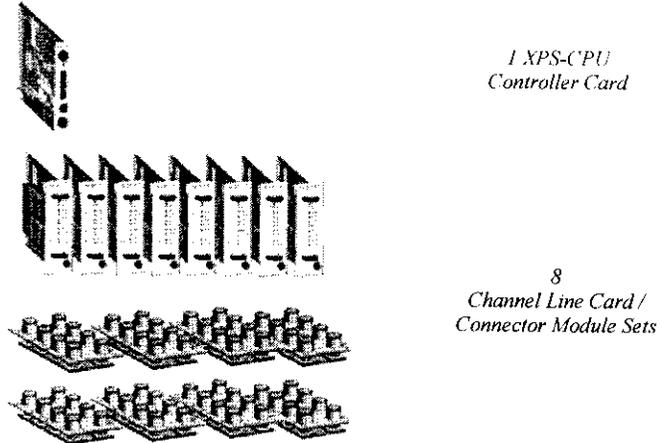
## XPS Switching Systems

### Items included with the XPS-32



The XPS-32 system enclosure, backplane, and power supply (all included with purchase of the XPS-32)

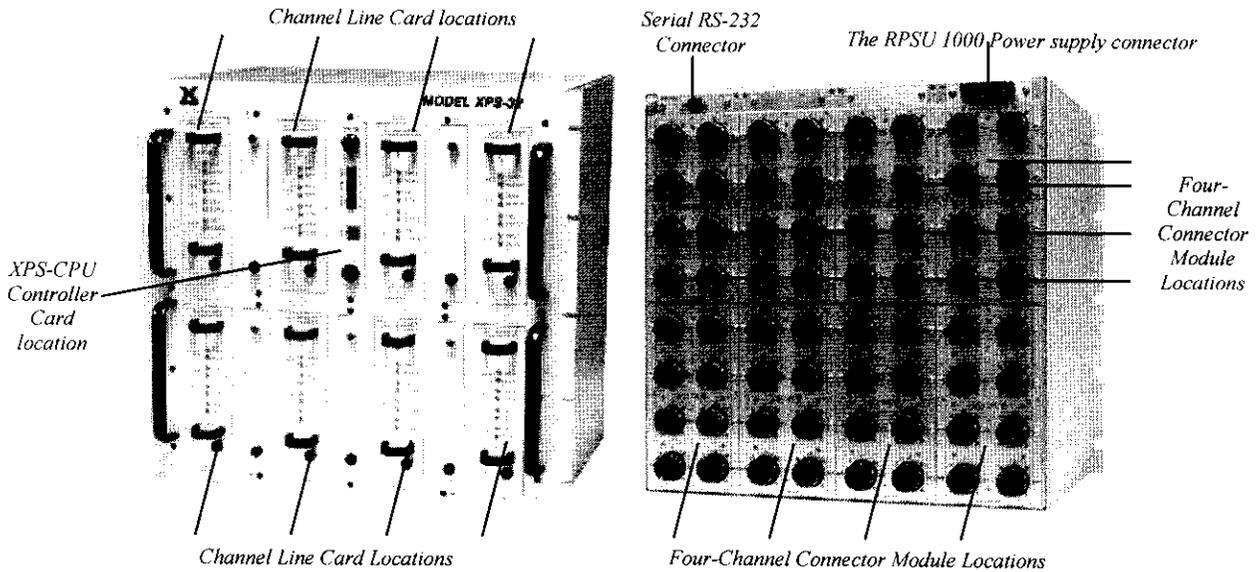
### Items needed to complete 32-port functionality of one XPS system



The XPS-32 system is completed by purchasing the following:

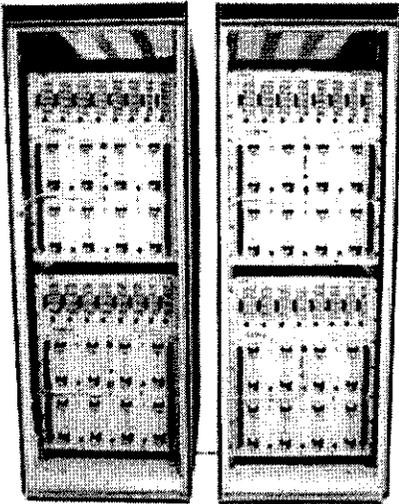
- 1 XPS CPU Controller Card
- 8 Line Card / Connector Module Sets

### The XPS-32 with one controller card, eight line cards, and eight matching connector modules installed



Connector Modules and Channel Line Cards are matched and sold in sets to ensure correct operation.

The rear panel of the XPS system is made up of eight connector modules each handling four channels (NTDS has two connectors per channel).



*XPS-128 System  
(Four XPS-32 units connected)*

### XPS 64/96/128 Switching Systems

Larger NTDS switching matrices can be created by connecting several XPS-32 systems together using the multi-chassis controller cards (XPS-CPU-M).

The multi-chassis XPS CPU Controller Card has three fiber optic connectors on the front panel which may be used for connecting the XPS-32 in which it resides, to up to as many as three other XPS-32 switches for a total matrix of 128 ports. Connections can be local (in the same rack) or remote (in other labs) running across single mode fiber optic cable pairs up to 14KM apart, application dependent.

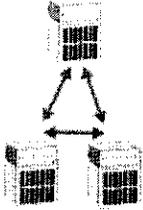
Configurations and required components for multiple XPS systems are listed as follows:



XPS-64 includes two XPS-32 systems and requires the following items to be ordered:

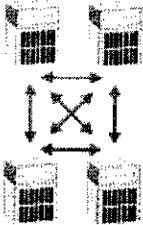
<b>64- Port Functionality</b>	
2	XPS Systems
	XPS Multi-chassis CPU Controller
2	Cards
16	Channel Line Card / Connector
	Module Sets
	Fiber Optic Cable Pair
1	Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
2	XPS Systems
	XPS Multi-chassis CPU Controller
2	Cards
2	Channel Line Card / Connector
	Module Sets
	Fiber Optic Cable Pair
1	Part Number: FO-CABLE-4M

**XPS-96** includes three XPS-32 systems and requires the following items be ordered



<b>96- Port Functionality</b>	
3	XPS Systems
3	XPS Multi-chassis CPU Controller Cards
24	Channel Line Card / Connector Module Sets
3	Fiber Optic Cable Pairs Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
3	XPS Systems
3	XPS Multi-chassis CPU Controller Cards
3	Channel Line Card / Connector Module Sets
3	Fiber Optic Cable Pairs Part Number: FO-CABLE-4M

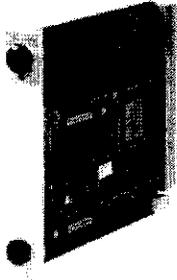
**XPS-128** includes four XPS-32 systems and requires the following items be ordered:



<b>128- Port Functionality</b>	
4	XPS Systems
4	XPS Multi-chassis CPU Controller Cards
32	Channel Line Card / Connector Module Sets
6	Fiber Optic Cable Pairs Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
4	XPS Systems
4	XPS Multi-chassis CPU Controller Cards
4	Channel Line Card / Connector Module Sets
6	Fiber Optic Cable Pairs Part Number: FO-CABLE-4M

### XPS CPU Controller Card

P/N: XPS-CPU-S



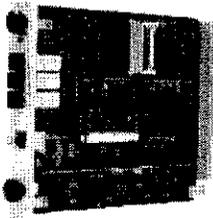
#### XPS CPU Controller Card (Single-Chassis)

The single-chassis CPU Controller Card for the XPS-32 is designed to switch a variety of protocols all within a single XPS-32 system. The CPU card has a single-slot design and plugs into the top row, center slot of the XPS-32 system. One CPU controller card is required per XPS-32 system.

#### Interfaces:

- MIL-STD-1397C Type A, B, C, D, E, H
- MIL-STD-1553B
- OJ-451 (Hughes Console)
- ORTS

P/N: XPS-CPU-M



#### XPS CPU Controller Card (Multi-Chassis)

The multi-chassis CPU Controller Card for the XPS-32/64/96/128 is designed to switch a variety of protocols within a single XPS-32 system, and/or within a larger network of XPS switches accommodating up to a total of 128 ports. The CPU card has a single-slot design and plugs into the top row, center slot of the XPS-32/64/96/128 system. One CPU Controller Card is required for each XPS-32 system whether it is used by itself or as part of a larger matrix switch.

Note: To interconnect more than one XPS Switch System together requires the purchase of one to six fiber optic cable pairs per the chart below. See P/N FO-CABLE-4M under the Fiber Optic product section to purchase cables.

1	Fiber Pair for XPS-64
3	Fiber Pairs for XPS-96
6	Fiber Pairs for XPS-128

#### Interfaces:

- MIL-STD-1397C Type A, B, C, D, E, H
- MIL-STD-1553B
- OJ-451 (Hughes Console)
- ORTS

## **XPS Channel Line Card / Connector Module Sets**

P/N: XPS-CMS-A

### **XPS Channel Line Card / Connector Module Set - NTDS Type A**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with NTDS Type A (Slow Parallel) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight (4 P1 and 4 P2) 85-pin MIL-STD 81511 connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight Channel Line Card / Connector Module sets.

P/N: XPS-CMS-B

### **XPS Channel Line Card / Connector Module Set - NTDS Type B**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with NTDS Type B (Fast Parallel) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight (4 P1 and 4 P2) MIL-STD 81511 (85-pin) connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight Channel Line Card / Connector Module sets.

P/N: XPS-CMS-D

### **XPS Channel Line Card / Connector Module Set - NTDS Type D**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with NTDS Type D (High-Level Serial) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight Amphenol 34475 connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

P/N: XPS-CMS-E

**XPS Channel Line Card / Connector Module Set - NTDS Type E**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with NTDS Type E (Low-Level Serial) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight Trompeter BJ80 connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

P/N: XPS-CMS-F

**XPS Channel Line Card / Connector Module Set – MIL-STD-1553B**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with MIL-STD-1553B, NTDS Type F (Aircraft Internal Time Division Multiplex Bus) signals. The Channel Line Card slides into the XPS-32 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to rear of the XPS-32 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight Trompeter BJ76 connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

P/N: XPS-CMS-OJ

**XPS Channel Line Card / Connector Module Set - OJ-451 Console**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with OJ-451 (Hughes Console Serial) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts to rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The Connector Module contains eight Trompeter BJ80 connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

P/N: XPS-CMS-ORTS-12 **XPS Channel Line Card / Connector Module Set – ORTS (12-Pin)**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with Aegis Operational Readiness Test System (ORTS) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts onto the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The connector module contains four M81511/ 23EB01P1 and four M28840/12AB1P1 (12-pin) connectors providing four channels of connectivity.

Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

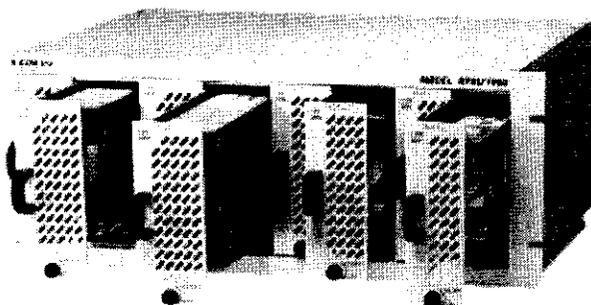
P/N: XPS-CMS-ORTS-32 **XPS Channel Line Card / Connector Module Set – ORTS (32-Pin)**

The four-channel XPS Channel Line Card and matching Connector Module interface for use with Aegis Operational Readiness Test System (ORTS) signals. The Channel Line Card slides into the XPS-32/64/96/128 system and provides the interface across the backplane to the XPS CPU Controller Card and other Channel Line Cards. The Connector Module mounts onto the rear of the XPS-32/64/96/128 system and provides the connectors that directly interface each individual tactical piece of equipment with the XPS switch system.

The connector module contains eight MS3470L18-32P (32-pin) connectors providing four channels of connectivity.

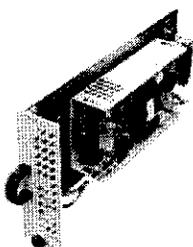
Each XPS-32 system can accommodate up to eight channel line card / connector module sets.

## XPS Accessories



*RPSU-1000 unit contains eight power supply cards.*

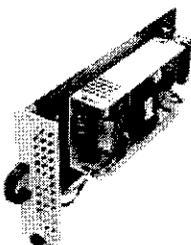
P/N: XPS-RPSU+5



### **XPS Replacement Power Supply Card (+5V / 130W)**

The +5V power supply card resides in the RPSU-1000, which powers the XPS switch. The card fits into card guides and connects to the backplane of the RPSU-1000 via a connector. The power supply card includes an LED which lights a green indicator when the power supply is working correctly. XPS-RPSU+5 is a +5V supply with a 130 Watt output.

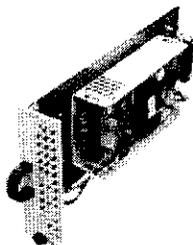
P/N: XPS-RPSU-5



### **XPS Replacement Power Supply Card (-5V / 40W)**

The -5V power supply card resides in the RPSU-1000, which powers the XPS switch. The card fits into card guides and connects to the backplane of the RPSU-1000 via a connector. The power supply card includes an LED which lights a green indicator when the power supply is working correctly. XPS-RPSU-5 is a -5V supply with a 40 Watt output.

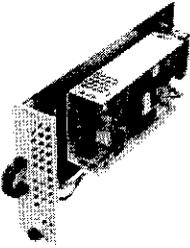
P/N: XPS-RPSU+12



### **XPS Replacement Power Supply Card (+12V / 55W)**

The +12V power supply card resides in the RPSU-1000, which powers the XPS switch. The card fits into card guides and connects to the backplane of the RPSU-1000 via a connector. The power supply card includes an LED which lights a green indicator when the power supply is working correctly. XPS-RPSU+12 is a +12V supply with a 55 Watt output.

P/N: XPS-RPSU-12



P/N: XPS-BP-32

**XPS Replacement Power Supply Card  
(-12V / 80W)**

The -12V power supply card resides in the RPSU-1000, which powers the XPS switch. The card fits into card guides and connects to the backplane of the RPSU-1000 via a connector. The power supply card includes an LED which lights a green indicator when the power supply is working correctly. XPS-RPSU-12 is a -12V supply with an 80 Watt output.

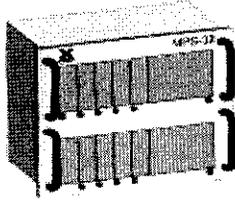
**XPS Replacement Backplane**

The XPS Backplane is included with the purchase of a new switch (XPS-32) but can be purchased separately for occasions where the backplane needs to be replaced.

Note: It is highly recommended that X-COM perform the replacement of all XPS Backplanes as the task involves calibration and testing best performed at the factory.

## MPS Switching Systems

P/N: MPS-32



1  
MPS Chassis



2 MPS Power Supply  
Modules



8 MPS Channel Line Cards

### Multi Port Serial (MPS) Switch System

The MPS-32 is a scalable, non-blocking 32-channel Low Level Serial (MIL-STD-1397C Type E) switch system. The MPS-32 enclosure accommodates one CPU Controller Card (purchased separately), eight line cards, and two power supplies. The MPS-32 includes a one-piece integrated rear connector panel with 64 Trompeter BJ80 connectors.

The parts breakdown includes:

- 1 MPS Chassis
- 1 Installed backplane
- 8 Channel Line Cards
- 2 Installed MPS Power Supplies

**Note:**

The MPS-32 Switch System requires a separately purchased CPU Controller Card to function as a complete system.

**32- Port Functionality**

- 1 MPS-CPU Controller Card (sold separately)
- 8 Channel Line Cards (included)
- 1 Integrated rear connector panel (included)

**Minimum Functionality**

- 1 MPS-CPU Controller Card (sold separately)
- 8 Channel Line Cards (included)
- 1 Integrated rear connector panel (included)

**Specifications:**

**Interface:**  
MIL-STD-1397C Type E

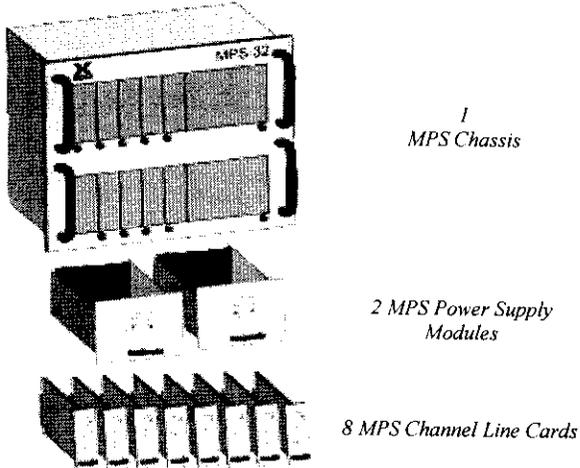
**Control:**  
PC or Master Switch Controller  
via RS-232

**Power:**  
Standard IEC 115 VAC

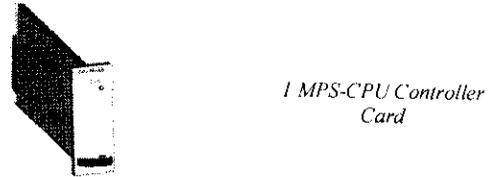
**Size:**  
MPS-32 Chassis:  
14" (8U) H x 17" D x 19" W  
(19" rack mount)

**Weight:**  
Approximately 40 lbs.

**Items included with the  
MPS-32**



**Item needed to complete one MPS System**

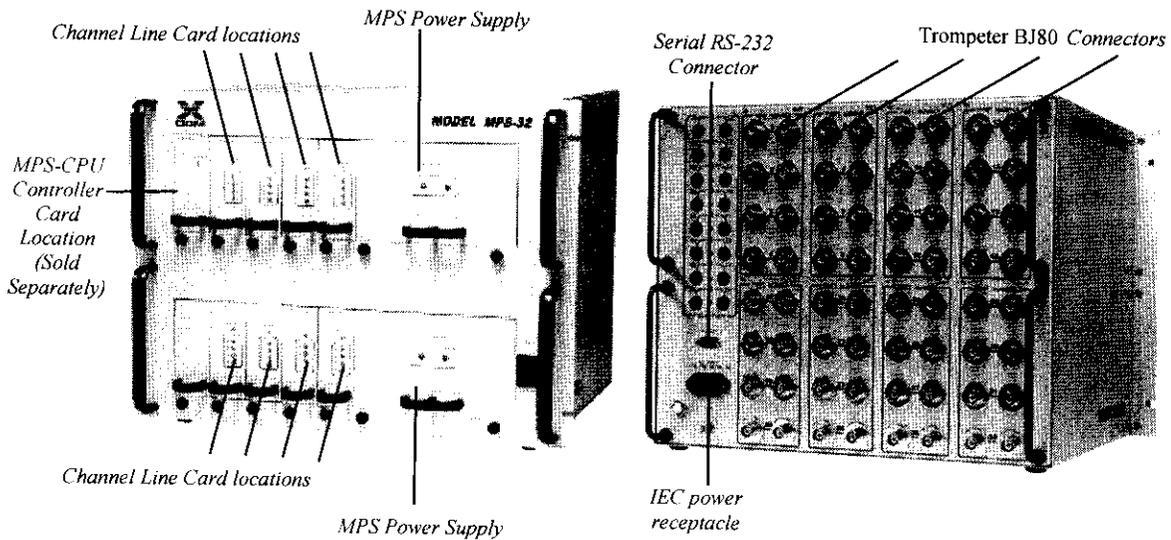


The MPS-32 Switch System requires a separately purchased CPU Controller Card to function as a complete system.

The MPS system is completed by purchasing the following:

- 1 MPS-CPU Controller Card

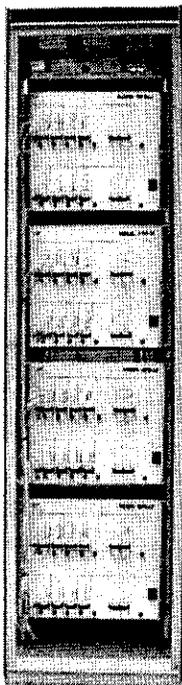
**MPS-32 with one controller card, eight line cards, and eight matching connector modules already installed**



The MPS-32 system enclosure, installed backplane, power supplies, line cards, and integrated rear connector panel

MPS-32 rear panel (above). Since the 32-port switch is serial only, the rear panel is always the same and includes 64 Trompeter BJ80 connectors (each NTDS channel requires two connectors).

## MPS 64/96/128 Switching Systems



Larger switching matrices can be created by connecting up to four MPS-32 systems together using the multi-chassis CPU Controller Card (MPS-CPU-M).

The multi-chassis CPU Controller Card has three fiber optic connectors on the front panel to connect the MPS-32 in which it resides to up to as many as three other MPS-32 switches for a total matrix of 128 ports. Connections can be local (in the same rack) or remote (in other labs) running across single mode fiber optic cable pairs up to 14KM apart, application dependent.

*The MPS-128 System can fit into a single 19" rack cabinet.  
(Four MPS-32 units connected)*

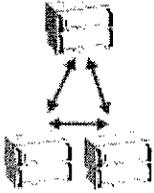
Configurations and required components for multiple MPS systems are listed as follows:

**MPS-64** includes two MPS-32 systems and requires the following items to be ordered:



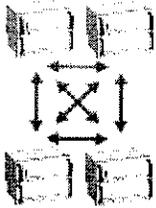
<b>64- Port Functionality</b>	
2	MPS Systems
2	MPS Multi-Chassis CPU Controller Cards Fiber Optic Cable Pair
1	Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
2	MPS Systems
2	MPS Multi-Chassis CPU Controller Cards Fiber Optic Cable Pair
1	Part Number: FO-CABLE-4M

MPS-96 includes three MPS-32 systems and requires the following items be ordered



<b>96- Port Functionality</b>	
3	MPS Systems
3	MPS Multi-Chassis CPU Controller Cards
	Fiber Optic Cable Pairs
3	Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
3	MPS Systems
3	MPS Multi-Chassis CPU Controller Cards
	Fiber Optic Cable Pairs
3	Part Number: FO-CABLE-4M

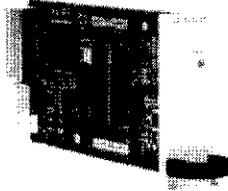
MPS-128 includes four MPS-32 systems and requires the following items be ordered:



<b>128- Port Functionality</b>	
4	MPS Systems
4	MPS Multi-Chassis CPU Controller Cards
	Fiber Optic Cable Pairs
6	Part Number: FO-CABLE-4M
<b>Minimum Functionality</b>	
4	MPS Systems
4	MPS Multi-Chassis CPU Controller Cards
	Fiber Optic Cable Pairs
6	Part Number: FO-CABLE-4M

### MPS Controller Cards (CPU)

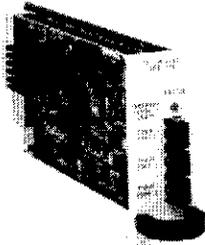
P/N: MPS-CPU-S



#### MPS CPU Controller Card (Single-Chassis)

A single-chassis CPU Controller Card for the MPS-32 is designed to switch NTDS Type E Low Level Serial (LLS) signals within a single MPS-32 system. The CPU card is a single-slot design and plugs into the top row left most slot of the MPS-32 system. One CPU controller card is required per MPS-32 system.

P/N: MPS-CPU-M



#### MPS Multi-Chassis CPU Controller Card

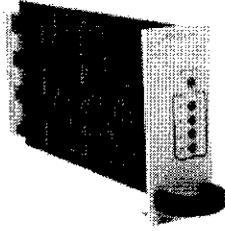
A multi-chassis CPU controller card for the MPS-32/64/96/128 is designed to switch NTDS Type E Low Level Serial (LLS) signals within a single MPS-32 system, and/or within a larger network of MPS switches accommodating up to a total of 128 ports. The CPU Controller Card is a single-slot design and plugs into the top row left most slot of the MPS-32/64/96/128 system. One CPU controller card is required for each MPS-32 system used by itself or as part of a larger matrix switch.

Note: To interconnect more than one MPS Switch System together requires the purchase of one to six fiber optic cable pairs per the chart below. See P/N FO-CABLE-4M under the Fiber Optic product section to purchase cables.

1	Fiber Pair for MPS-64
3	Fiber Pairs for MPS-96
6	Fiber Pairs for MPS -128

## MPS Accessories

P/N: MPS-CLC-E



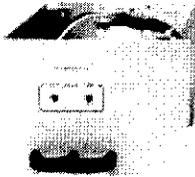
### Replacement MPS Channel Line Card - NTDS Type E

The four-channel MPS Channel Line Card interfaces with NTDS Type E Low Level Serial (LLS) signals. The Channel Line Card fits into the MPS-32/64/96/128 system and provides the interface across the backplane to the MPS CPU Controller Card and other Channel Line Cards, and connects to the rear panel to connect to the tactical equipment.

#### Note:

MPS-CLC-E also functions as a four-channel time of day (TOD) source line card used in the Serial Clock Expander systems.

P/N: MPS-PSU



### Replacement MPS Power Supply Module

This power supply replacement module resides in the MPS switch. The module slides on card guides and can be replaced by the user. The MPS-PSU includes LEDs which indicate proper operation.

P/N: MPS-BP-32

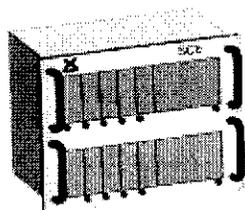
### Replacement MPS Backplane

The backplane for the MPS-32 switch. The backplane is included with the purchase of a new switch but can be purchased separately for occasions where the backplane needs to be replaced. It is highly recommended X-COM perform the replacement of all MPS backplanes as the task involves calibration and testing best performed at the factory.

## Clock Expander Products

### Serial Clock Expander (SCE) System

P/N: SCE



1  
SCE Chassis



2 SCE Power Supply Modules



8 SCE Channel Line Cards

#### Serial Clock Expander (SCE) System

The Serial Clock Expander system takes eight input clocks and provides fifty six output clocks. The system is similar to the MPS system and works with NTDS Type E signals.

The parts breakdown includes:

- 1 MPS Chassis
- 1 Installed backplane
- 8 Channel Line Cards
- 2 Installed SCE Power Supply Modules

#### Note:

The SCE is sold without the CPU Controller Card but does include the system enclosure, backplane, power supplies, and line cards.

The SCE comes with a one-piece integrated rear connector panel including 64 Trompeter BJ80 connectors.

An SCE can be completed by ordering the following:

#### 32- Port Functionality

- 1 SCE-CPU Controller Card

#### Minimum Functionality

- 1 SCE-CPU Controller Card

#### Specifications:

##### Interface:

MIL-STD-1397C Type E

##### Control:

PC or Master Switch Controller  
via RS-232

##### Power:

Standard IEC 115 VAC

##### Size:

SCE Chassis:  
14" (8U) H x 17" D x 19" W  
(19" rack mount)

##### Weight:

Approximately 40 lbs.

### Serial Clock Expander (SCE) Controller Card

P/N: SCE-CPU

#### SCE CPU Controller Card

The Serial Clock Expander (SCE) CPU Controller Card is designed to reside in an MPS enclosure to provide clock expansion functions for NTDS Type E serial data. The SCE system uses the same enclosure and backplane as the MPS system.

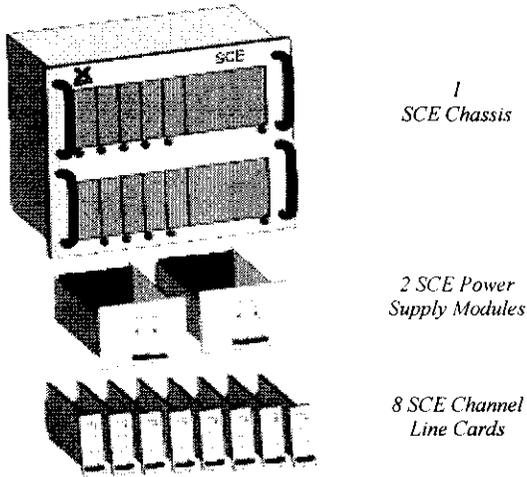
#### Note:

SCE-CPU is a specialized CPU Controller Card designed to multiplex clock signals. The SCE-CPU does not perform general switching functions.

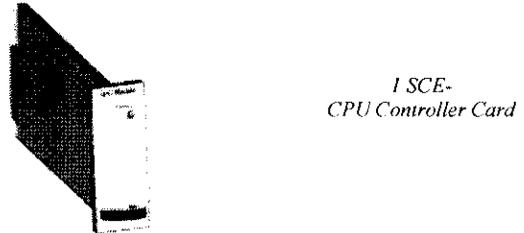
#### Interface:

- MIL-STD-1397C Type E

**Items included in SCE**



**Item needed to complete the SCE System**

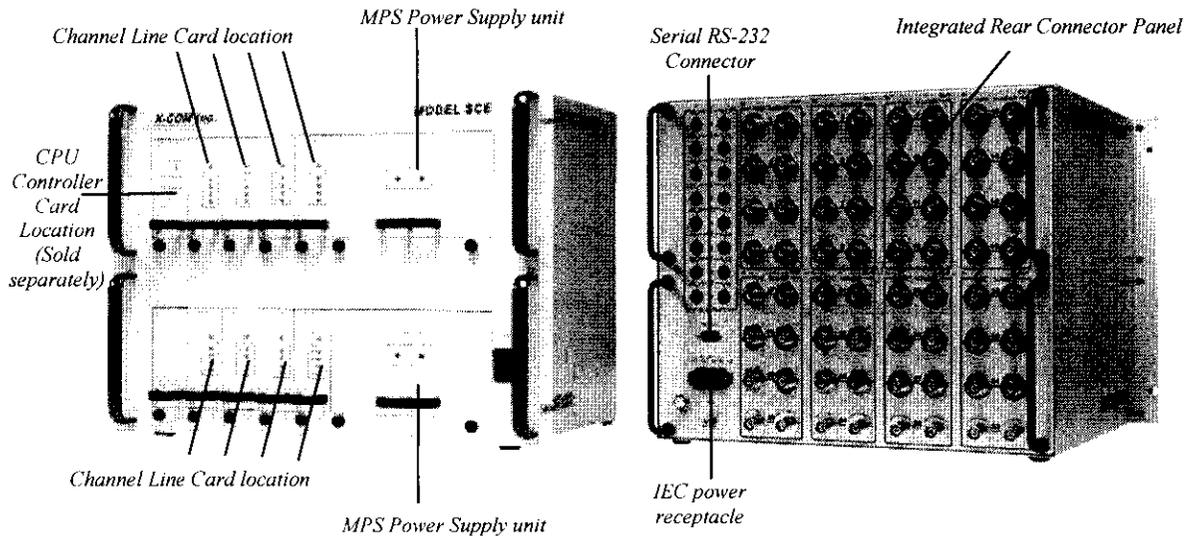


The SCE System requires a separately purchased SCE-CPU Controller Card to function as a complete system.

The SCE system is completed by purchasing the following:

- 1 SCE-CPU Controller Card

**SCE with one Controller Card, eight Channel Line Cards and integrated Rear Panel**

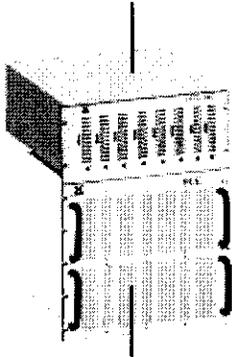


The rear panel of the SCE (above). Since the 32-port switch is serial only, the rear panel is always the same including 64 Trompeter BJ80 connectors

**Parallel Clock Expander (PCE) System**

P/N: PCE

*PCE Power Supply  
(RPSU-1000)*



*PCE Chassis with attached  
backplane*

**Parallel Clock Expander (PCE) System**

The Parallel Clock Expander system takes four input clocks and provides 28 output clocks. The system is similar to the XPS system and works with NTDS Type A or B signals.

The parts breakdown includes:

- 1 PCE Chassis
- 1 Installed XPS backplane
- 1 Installed XPS-RPSU 1000 Power Supply Enclosure including the following power supply components:
  - (2) XPS-RPSU+5
  - (2) XPS-RPSU-5
  - (2) XPS-RPSU-+12
  - (2) XPS-RPSU-12

**Note:**

The PCE system uses the same Enclosure, Backplane, Channel Line Cards, and Connector Modules as the XPS System but requires a specialized PCE-CPU Controller Card.

The PCE includes the System Enclosure, Backplane, and RPSU-1000 Power Supply but does not include the PCE-CPU Controller Card, Channel Line Cards / Connector Module sets.

The PCE is completed by ordering the following:

<p><b>32- Port Functionality</b></p> <ul style="list-style-type: none"> <li>1 PCE-CPU Controller Card</li> <li>8 Channel Line Card / Connector Module Sets</li> </ul> <p><b>Minimum Functionality</b></p> <ul style="list-style-type: none"> <li>1 PCE-CPU Controller Card</li> <li>Channel Line Card / Connector</li> <li>1 Module Set</li> </ul>
--

**Specifications:**

**Interfaces:**

MIL-STD-1397C Type A and B

**Control:**

PC or Master Switch Controller via RS-232

**Maintainability:**

MTTR < 15 min. for PCBs and power supplies;  
< 30 min. for other parts

**Power:**

Standard IEC 115 VAC

**Size:**

PCE Chassis:  
17½" (10U) H x 14 ½" D x 19" W  
(19" rack mount)

**Power Supply:**

7" H x 15 ¼" D x 19" W  
(19" rack mount)

**Weight:**

PCE Chassis:  
Approximately 50 lbs.

**Power Supply:**

Approximately 35 lbs

*Items included with the PCE*

*Items needed to complete one PCE system*



The Parallel Clock Expander (PCE) CPU Controller Card is designed to reside in an PCE enclosure to provide clock expansion functions for NTDS parallel Type A or Type B data. The PCE system uses the same enclosure, backplane, line cards, and connector modules as the XPS system.

**Note:**

PCE-CPU is a specialized CPU Controller Card designed to multiplex clock signals. The PCE-CPU does not perform general switching functions.

**Interfaces:**

- MIL-STD-1397C Type A and B

## **Fiber Optic Products**

### **XFS Universal Fiber Optic Switches**

P/N: XFS-72

#### **Universal Fiber Optic Switch System (XFS-72)**

The Universal Fiber Optic Switch System. (XFS-72) is a scalable, non-blocking fiber-optic switch system to support up to 72 channels of fiber channels.

The XFS-72 includes chassis, integrated power supplies and is populated with 64 multi-mode 100-200 Mbps Small Form Factor Pluggable modules (SFPs). The XFS-72 is capable of supporting any optical or electrical protocol with a bit-rate between 100 Mbps and 2.7 Gbps by choosing the appropriate fiber modules (SFP).

To upgrade the installed 64-ports to a total of 72 ports, purchase eight standard additional SFP modules.

#### **Note:**

Specify connector type (LC/ST/SC) at time of order.

#### **Specifications:**

##### ***Interfaces:***

Any optical or electrical protocol that has a bit rate between 100 Mbps to 2.7 Gbps including:

- Fast and Gigabit Ethernet,
- FDDI
- ESCON
- SONET (OC-3, OC-12, OC-48 and OC-48 with FEC)
- Fibre Channel (1 Gbps & 2 Gbps)
- Serial Digital Video Interface (SDI)
- SMPTE-269
- SMPTE-292
- DVB
- HDTV (1.5 Gbps)

##### ***Transmission:***

- Simplex (One-way)
- Duplex (Two-way)
- Physical Layer

##### ***Cooling:***

Three fans @ 55CFM

##### ***Wavelength:***

- 850 nm, 1310 nm, 1550 nm
- ITU-T G.694.2 (2002)
- 1470 nm-1610 nm with 20 nm deltas

##### ***Diagnostics:***

SFP digital diagnostics

##### ***Control:***

PC or Master Switch Controller via Ethernet or RS-232

### **Fiber Optic Cables**

P/N: FO-CABLE-4M

#### **Fiber Optic Cables Single Mode- 4M**

Fiber optic cable pair Single Mode in 4 meter length.

## Diagnostic Products

### NTDS Protocol Analyzer System Packages

P/N:  
NTDS-E-ANALYZER1

**Protocol Analyzer System (PAS) - NTDS Type E**  
NTDS-E Protocol Analyzer System, Suite 1 which provides complete insight into protocol analysis, error analysis, timing analysis, and waveform analysis of NTDS Type E signals.

The system includes:

- 1 Protocol Interface Module (version 1)
- 1 Tektronix TLA-5202 Logic Analyzer
- 2 P6434 probes to interface the PIM with the TLA-5202
- 1 Custom Disassembler software package

#### Specifications:

##### **Interface:**

- MIL-STD-1397C Type E

##### **Ports:**

- Four MIL-STD-1397C Type E
- Two Mictor Connectors
- RS-232
- 10/100 BaseT (optional)

##### **Time stamping:**

51-Bits at 125 ps resolution  
(3.25 days duration)

##### **Memory Acquisition:**

8Mb-64Mb (configuration-dependant)

##### **Monitor or Control:**

- Tektronix TLA5000 or TLA700 Series Logic Analyzers
- Tektronix Oscilloscope (Optional)

##### **Software:**

Loads onto Logic Analyzer from Disassembler Software CD

##### **Size:**

Protocol Interface Module:  
5" L x 8.25" W x 3.5" H

Tektronix TLA5202  
11.35" L x 17.5" W x 11.2"

##### **Weight:**

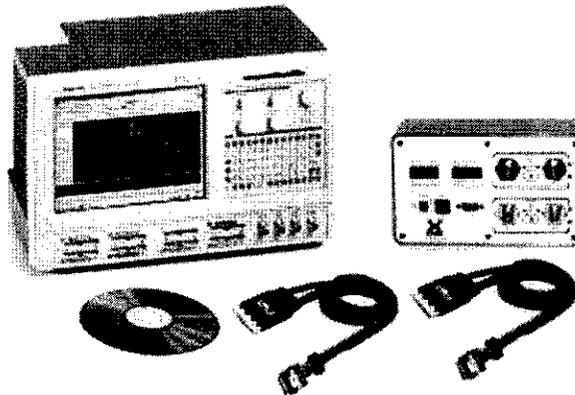
Protocol Interface Module:  
Approximately 5 lbs.

Tektronix TLA5202  
Approximately 26 lbs.

##### **Cables/Accessories**

Logic Analyzer Probes:  
P6434 high-density, passive probe with AMP Mictor connector

Logic Analyzer Probe Type:  
Single-ended Data  
Single-ended Clock  
(Mictor 34-channel Qty 2)



*Protocol Analyzer System (PAS) - NTDS Type E consists of (top left to bottom right) a Tektronix TLA5000 Series Logic Analyzer, NTDS Type E Protocol Interface Module, custom disassembler software, and two TLA P6434 Probes.*

**Non-NTDS Products**

**Miscellaneous**

P/N: NN-CAB-19



**19" Rack Cabinet**

A six foot high, 19-inch rack cabinet painted in a gray color. This item can be ordered with or without the caster wheels (no price difference), and includes a special cut-out in the floor to allow the cables to pass through from the equipment mounted in the rack down inside the raised flooring used in computer labs. The cabinets feature smoked hinged door.

**Other Products and Services**

**Services**

P/N:

**Engineering Hourly Support**

The engineering services as specified in the statement of work to be included with all delivery orders using this item.

<b>DEPARTMENT OF DEFENSE</b> <span style="float: right;">011/05</span> <b>CONTRACT SECURITY CLASSIFICATION SPECIFICATION</b> <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>		<b>1. CLEAR AND SAFEGUARDING</b> a. FACILITY CLEARANCE REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">SECRET</div> b. LEVEL OF SAFEGUARDING REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">NONE</div>	
<b>2. THIS SPECIFICATION IS FOR: (x and complete as applicable)</b>		<b>3. THIS SPECIFICATION IS: (x and complete as applicable)</b>	
a. PRIME CONTRACT NUMBER		a. ORIGINAL (Complete date in all cases)	Date (YYMMDD)
b. SUBCONTRACT NUMBER		b. REVISED (Supersedes all previous specs)	Revision No. Date (YYMMDD)
c. SOLICITATION OR OTHER NUMBER	Due Date (YYMMDD)	c. FINAL (Complete item 3 in all cases)	Date (YYMMDD)
<b>4. IS THIS A FOLLOW-ON CONTRACT?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated under <u>N00178-01-D-2013</u> (Preceding Contract Number) is transferred to this follow-on contract.			
<b>5. IS THIS A FINAL DD FORM 254?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____			
<b>6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)</b>			
a. NAME, ADDRESS, AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
X-COM SYSTEMS, LLC 12345-B SUNRISE VALLEY DRIVE RESTON VA 20191-3415	3MEW5	DEFENSE SECURITY SERVICE 223 23RD ST. 11TH FLOOR ARLINGTON VA 22202	
<b>7. SUBCONTRACTOR</b>			
a. NAME, ADDRESS AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
THIS DD 254 IS A GUIDE FOR BIDDING PURPOSES ONLY. AN ORIGINAL DD 254 WILL BE ISSUED UPON AWARD OF CONTRACT.			
<b>8. ACTUAL PERFORMANCE</b>			
a. LOCATION	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
<b>9. GENERAL IDENTIFICATION OF THIS PROCUREMENT</b>  SUPPORT SWITCHING, MULTIPLEXING, AND CONVERSION REQUIREMENTS AT THE COMBAT SYSTEM SHORE SITES, INCLUDING, BUT NOT LIMITED TO, COMBAT SYSTEMS INSTALLED ON NAVY DESTROYERS, CRUISERS, LARGE-DECK AMPHIBIOUS SHIPS, AND AIRCRAFT CARRIERS.			
<b>10. THIS CONTRACT WILL REQUIRE ACCESS TO:</b>		<b>11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:</b>	
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	YES NO	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	YES NO
b. RESTRICTED DATA	<input checked="" type="checkbox"/> <input type="checkbox"/>	b. RECEIVE CLASSIFIED DOCUMENTS ONLY	<input checked="" type="checkbox"/> <input type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input type="checkbox"/> <input checked="" type="checkbox"/>
d. FORMERLY RESTRICTED DATA	<input type="checkbox"/> <input checked="" type="checkbox"/>	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	<input type="checkbox"/> <input checked="" type="checkbox"/>
e. INTELLIGENCE INFORMATION:		e. PERFORM SERVICES ONLY	<input type="checkbox"/> <input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)	<input type="checkbox"/> <input checked="" type="checkbox"/>	f. HAVE ACCESS TO THE CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	<input type="checkbox"/> <input checked="" type="checkbox"/>
(2) Non-SCI	<input type="checkbox"/> <input checked="" type="checkbox"/>	g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input type="checkbox"/> <input checked="" type="checkbox"/>
f. SPECIAL ACCESS INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	h. REQUIRE A COMSEC ACCOUNT	<input type="checkbox"/> <input checked="" type="checkbox"/>
g. NATO INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	i. HAVE TEMPEST REQUIREMENTS	<input type="checkbox"/> <input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	<input type="checkbox"/> <input checked="" type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	<input type="checkbox"/> <input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/> <input type="checkbox"/>	l. OTHER (Specify)	
k. OTHER (Specify)			

**12. PUBLIC RELEASE.** Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release.

Direct  Through (Specify):

Commander, Dahlgren Division  
 Naval Surface Warfare Center, Code NS2 & C6  
 17230 Dahlgren Road, Dahlgren VA 22448-0698

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review.  
 \*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

**13. SECURITY GUIDANCE.** The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and processed at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/signatures/contracts referenced herein. Add additional pages as needed to provide complete guidance.)

All classified visit requests for other activities shall have "NEED-TO-KNOW" certified by the individual identified in Item 13. Visit requests for subcontractors to other activities will have "NEED-TO-KNOW" certified by the prime contractor. All requests shall contain the information required by Chapter 6, NISFOM. The time limit on all certifications shall not exceed the contract expiration date.

All classified visit requests for the Dahlgren Division, Naval Surface Warfare Center should be forwarded to the Visitor Control Officer no later than five (5) working days prior to intended visit.

TIMOTHY M. VAN DREW, NS2, (540) 653-0698  
 Contracting Officer's Representative

Estimated completion date: 100601

**14. ADDITIONAL SECURITY REQUIREMENTS.** Requirements, in addition to ISM requirements are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document file#, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

Yes  No

**15. INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

Yes  No

**16. CERTIFICATION AND SIGNATURE.** Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (include Area Code)
BRENDA F. BENNETT	Contracting Officer's Security Rep.	(540) 653-3682

d. ADDRESS (include Zip Code)  
 COMMANDER, DAHLGREN DIVISION  
 NAVAL SURFACE WARFARE CENTER, XDC94  
 DAHLGREN VA 22448-5100

e. SIGNATURE  
 Brenda J. Bennett 3/1/05

**17. REQUIRED DISTRIBUTION**

<input checked="" type="checkbox"/>	a. CONTRACTOR
<input type="checkbox"/>	b. SUBCONTRACTOR
<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
<input checked="" type="checkbox"/>	e. ADMINISTRATIVE CONTRACTING OFFICER
<input checked="" type="checkbox"/>	f. OTHERS AS NECESSARY